

Electric and Hybrid Vehicles

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What are EV's

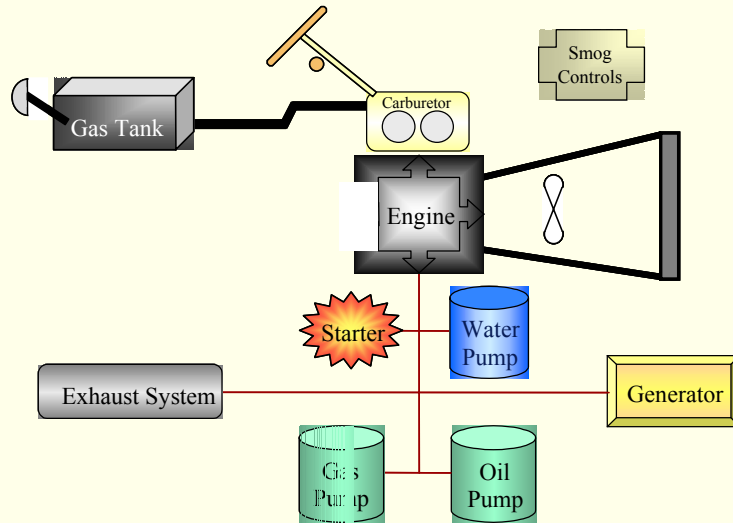
Vehicles powered by an electric motor instead of a gasoline engine

Full size vehicles meeting all federal government safety standards

Vehicles which travel at highway speeds

Designed, manufactured, sold, and serviced by the world's largest car companies

Vehicle Comparison



Gasoline

Electric

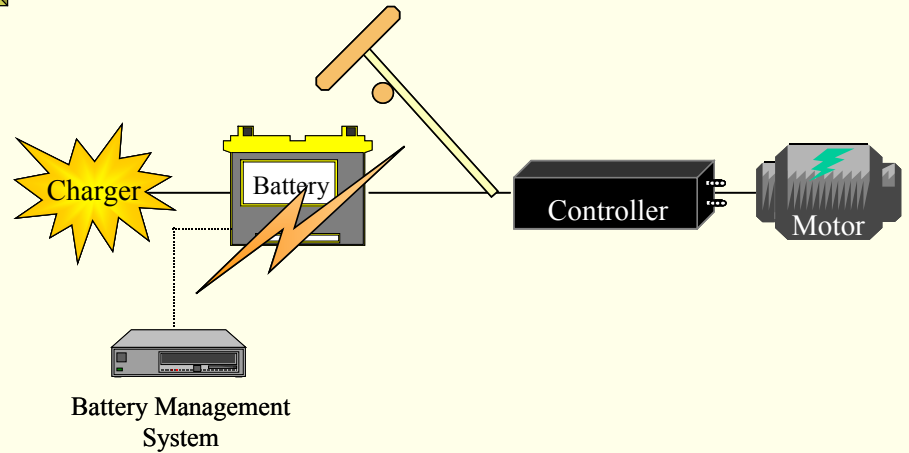
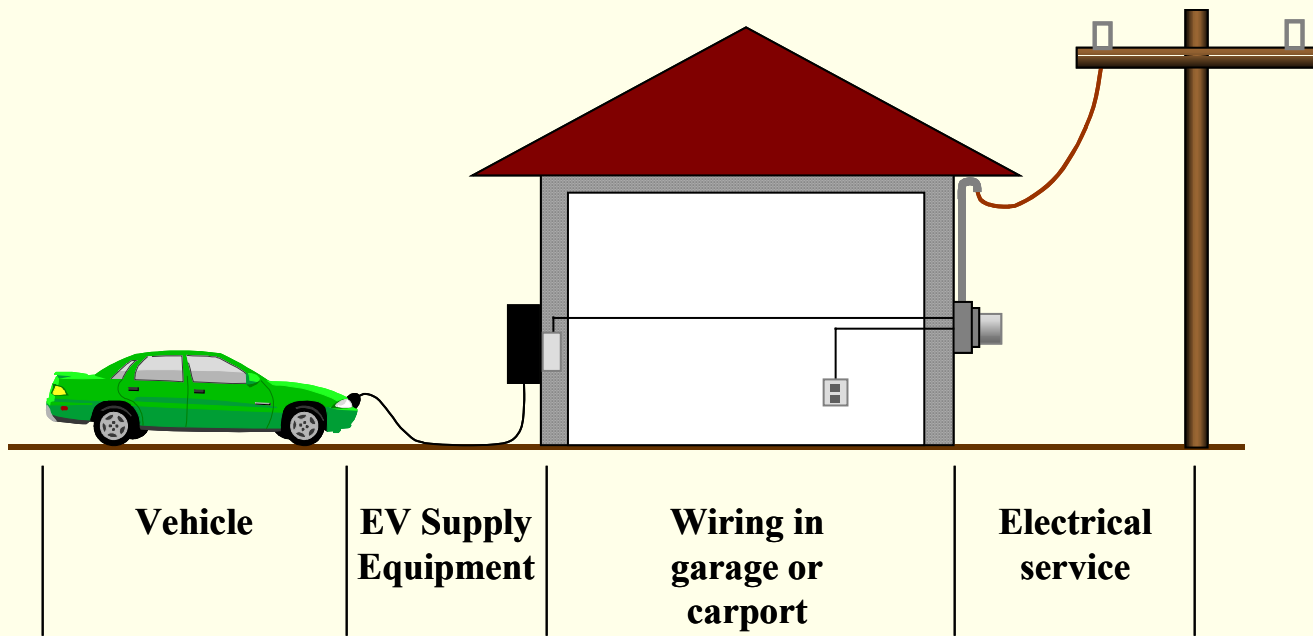


Diagram of Home Refueling



Refueling Connector Configurations

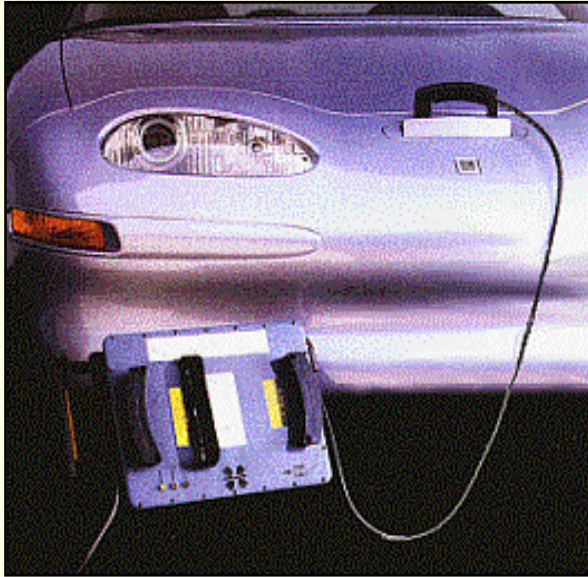


A Conductive Refueling Connector

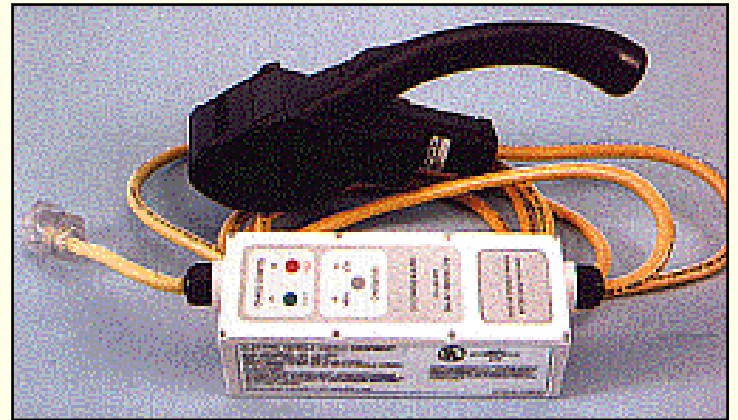
An Inductive Refueling Connector



Level 1 Inductive and Conductive Charging



Inductive Charger



Conductive Charger

Level 2 Charging



Conductive Charger

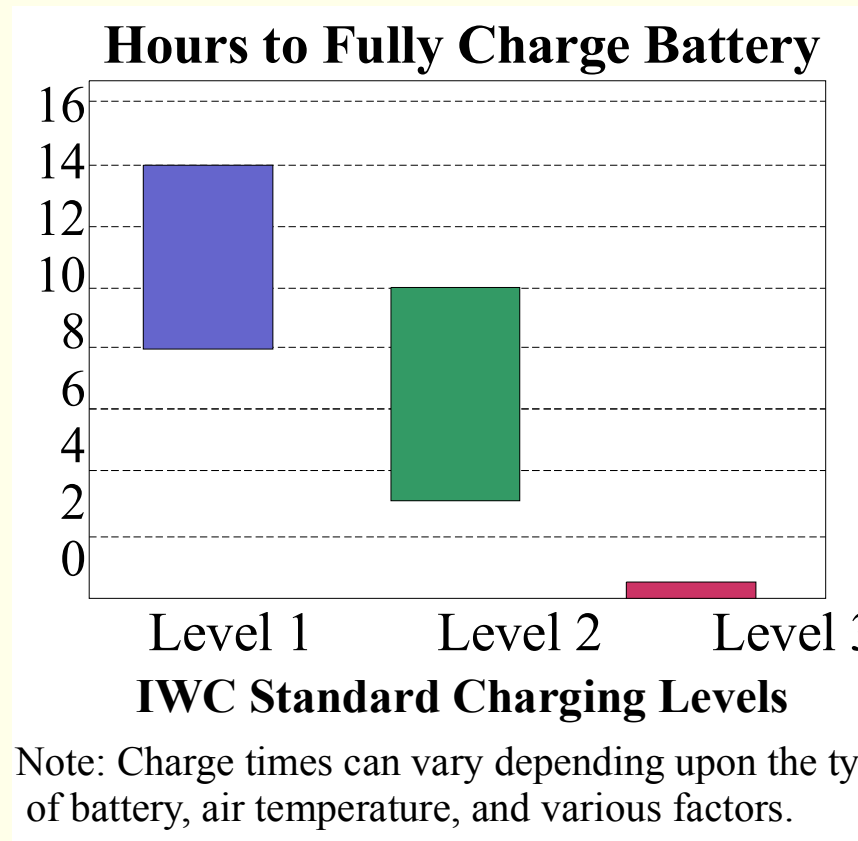


Inductive Charger

Level 3 Charger

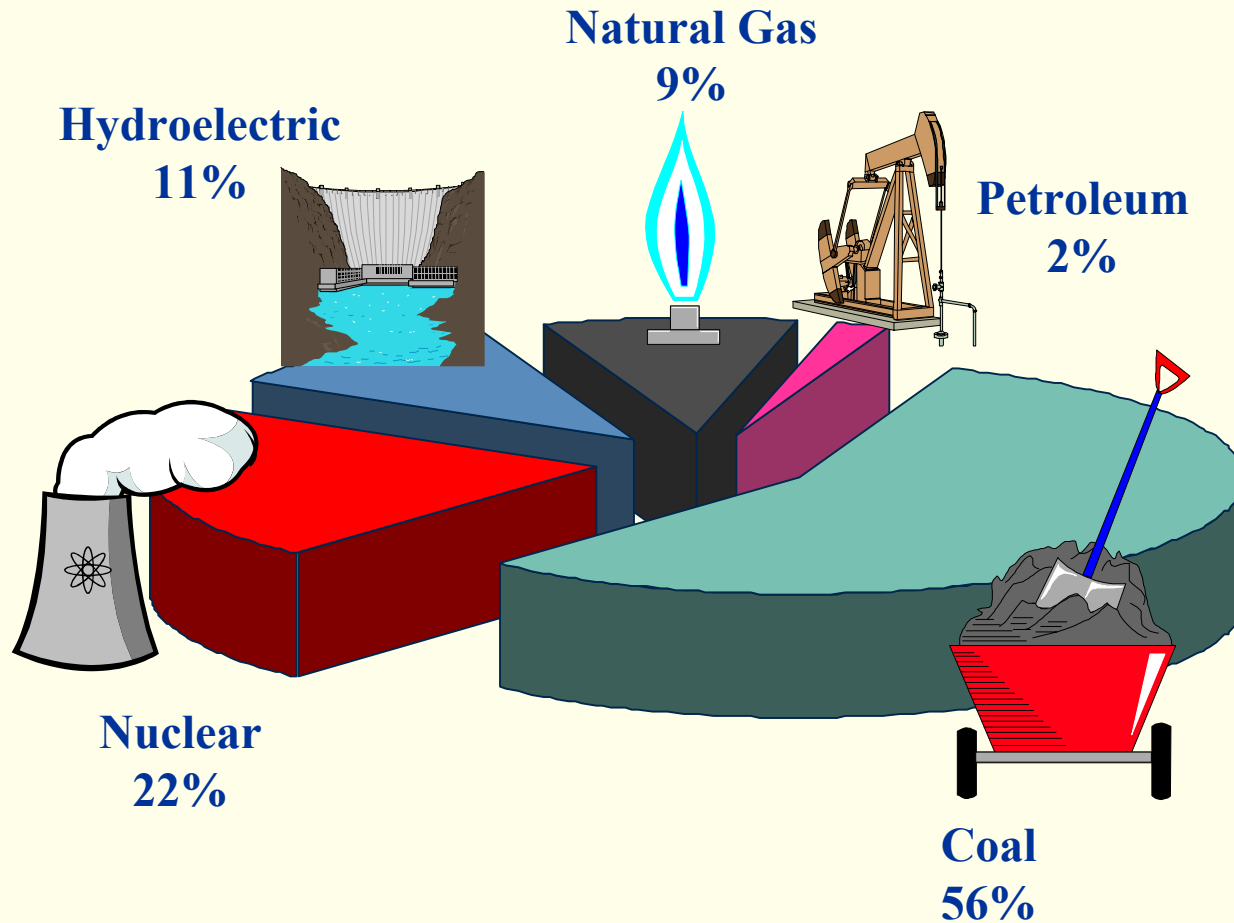


Comparison of Charging Times at the 3 Levels



Benefits of Electric Vehicles

Reduced Petroleum



Benefits of Electric Vehicles

Reduced Emissions

Comparison of Emissions (grams/mile)				
	VOC	CO	NO_x	CO₂
Gasoline	.114	1.39	.22	412
Ethanol	.149	1.33	.14	402
CNG	.022	.364	.187	389
Electric	.006	.046	.12	213